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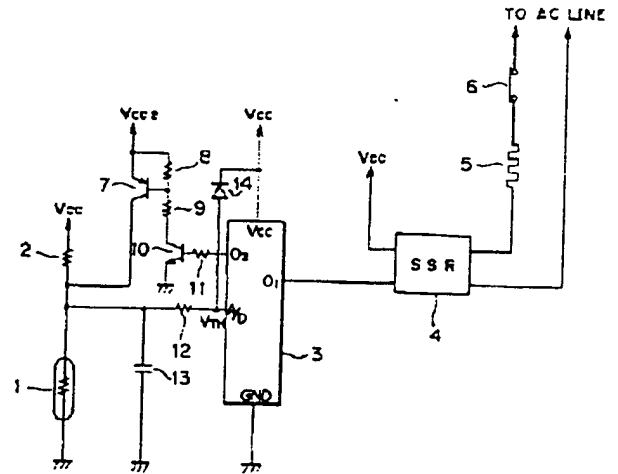
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APPLICANT : CANON INC;

INVENTOR : KIMIZUKA JUNICHI;

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TITLE : DIAGNOSTIC DEVICE FOR IMAGE
RECORDING THERMAL FIXING
DEVICE AND IMAGE RECORDER



ABSTRACT : PURPOSE: To diagnose the presence of a defect of a resistance type temp. sensor such as a thermistor, etc., detecting a temp. of a thermal fixing device and to prevent abnormal heat generation in the thermal fixing device by impressing a voltage to the resistance type temp. sensor, generating self heat generation and comparing detected resistances before/after the voltage is impressed to the temp. sensor.

CONSTITUTION: A voltage impressing means is constituted of a circuit impressing the voltage to make the thermistor 1 generate the self heat generation. When the thermistor 1 is self heat generated, the voltage exceeding the breakdown strength of an A/D converter port of a CPU 3 occurs on both ends of the thermistor 1. Then for preventing the port from destroying, a resistor 12 and a diode 14 are used. Then, the resistance type temp. sensor such as the thermistor 1, etc., provided in the thermal fixing device is self heat generated, and from the change in resistance values before/after the self heat generation, the resistance type temp. sensor such as the thermistor 1, etc., is diagnosed. Thus, the presence of the defect of the resistance type temp. sensor is judged in a remarkably short time without heat generating the thermal fixing device.

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